

## Storm Data and Unusual Weather Phenomena - November 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>LAKE HURON</b>				
<b>INNER SAGINAW BAY SW OF POINT AU GRES TO BAY PORT MI COUNTY --- SAGINAW BAY LIGHT [43.81, -83.72]</b>				
	11/17/13 17:10 EST		0	Marine Thunderstorm Wind (MG 50 kt)
	11/17/13 17:10 EST		0	Source: C-MAN Station
<b>OUTER SAGINAW BAY SW OF ALABASTER TO PORT AUSTIN MI TO INNER SAGINAW BAY COUNTY --- GRAVELLY SHOALS LIGHT [44.02, -83.54]</b>				
	11/17/13 17:20 EST		0	Marine Thunderstorm Wind (MG 49 kt)
	11/17/13 17:20 EST		0	Source: C-MAN Station
Thunderstorms moving through Saginaw Bay produced wind gusts in excess of 55 mph.				
<b>LAKE ST CLAIR</b>				
<b>LAKE ST CLAIR (U.S. PORTION) COUNTY --- 7.2 SW NEW BALTIMORE [42.61, -82.83]</b>				
	11/17/13 17:22 EST		0	Marine Thunderstorm Wind (MG 35 kt)
	11/17/13 17:22 EST		0	Source: ASOS
A thunderstorm entering Lake St Clair produced a 40 mph gust.				
<b>MICHIGAN, East</b>				
<b>(MI-Z047) MIDLAND, (MI-Z048) BAY, (MI-Z049) HURON, (MI-Z053) SAGINAW, (MI-Z054) TUSCOLA, (MI-Z055) SANILAC, (MI-Z060) SHIAWASSEE, (MI-Z061) GENESEE, (MI-Z062) LAPEER, (MI-Z063) ST. CLAIR, (MI-Z068) LIVINGSTON, (MI-Z069) OAKLAND, (MI-Z070) MACOMB, (MI-Z075) WASHTENAW, (MI-Z076) WAYNE, (MI-Z082) LENAWEE, (MI-Z083) MONROE</b>				
	11/17/13 16:00 EST		27M	High Wind (MAX 61 kt)
	11/18/13 00:00 EST		0	
<b>MIDLAND COUNTY --- 1.6 ESE MIDLAND BARSTOW ARPT [43.66, -84.24]</b>				
	11/17/13 16:30 EST		0	Thunderstorm Wind (EG 50 kt)
	11/17/13 16:30 EST		0	Source: Public
A Kohls sign was reported blown down, as well as damage to a gas station awning.				
<b>MIDLAND COUNTY --- MIDLAND [43.62, -84.23]</b>				
	11/17/13 16:30 EST		0	Thunderstorm Wind (EG 56 kt)
	11/17/13 16:30 EST		0	Source: Law Enforcement
Dispatched reported multiple tree downs throughout Midland County.				
<b>MIDLAND COUNTY --- 3.6 E MIDLAND BARSTOW ARPT [43.68, -84.20]</b>				
	11/17/13 16:33 EST		0	Thunderstorm Wind (EG 56 kt)
	11/17/13 16:33 EST		0	Source: Emergency Manager
Trees were reported down.				
<b>BAY COUNTY --- 3.8 SSW PINCONNING [43.80, -84.00]</b>				
	11/17/13 16:45 EST		10K	Thunderstorm Wind (EG 56 kt)
	11/17/13 16:45 EST		0	Source: Amateur Radio
An outbuilding was reported destroyed.				
<b>SHIAWASSEE COUNTY --- 1.4 N PERRY [42.84, -84.22]</b>				
	11/17/13 16:55 EST		0	Hail (0.75 in)
	11/17/13 16:55 EST		0	Source: Trained Spotter

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<b>SHIAWASSEE COUNTY --- 1.4 N PERRY [42.84, -84.22]</b>				
	11/17/13 16:55 EST		0	Thunderstorm Wind (EG 56 kt)
	11/17/13 16:55 EST		0	Source: Trained Spotter
A spotter estimated a 60 mph thunderstorm wind gust.				
<b>SHIAWASSEE COUNTY --- 1.5 NNE MORRICE [42.85, -84.17]</b>				
	11/17/13 16:59 EST		0	Thunderstorm Wind (EG 54 kt)
	11/17/13 16:59 EST		0	Source: Trained Spotter
Numerous trees reported down.				
<b>SAGINAW COUNTY --- SAGINAW [43.42, -83.97]</b>				
	11/17/13 17:05 EST		0	Thunderstorm Wind (EG 56 kt)
	11/17/13 17:05 EST		0	Source: Trained Spotter
A power pole was reported down.				
<b>LIVINGSTON COUNTY --- 0.7 S FOWLerville [42.66, -84.07]</b>				
	11/17/13 17:12 EST		0	Thunderstorm Wind (EG 56 kt)
	11/17/13 17:12 EST		0	Source: Law Enforcement
Multiple trees reported down.				
<b>LENAWEE COUNTY --- 0.9 NW TECUMSEH [42.01, -83.94]</b>				
	11/17/13 17:20 EST		0	Thunderstorm Wind (EG 50 kt)
	11/17/13 17:20 EST		0	Source: Trained Spotter
A 4 inch diameter tree was reported down.				
<b>GENESEE COUNTY --- 1.7 ENE FLINT DALTONS ARPT [43.06, -83.75]</b>				
	11/17/13 17:21 EST		0	Thunderstorm Wind (EG 52 kt)
	11/17/13 17:21 EST		0	Source: Amateur Radio
Several trees were reported blown down.				
<b>WASHTENAW COUNTY --- 1.4 S WHITMORE LAKE [42.40, -83.75]</b>				
	11/17/13 17:25 EST		0	Thunderstorm Wind (EG 50 kt)
	11/17/13 17:25 EST		0	Source: Amateur Radio
Report of 6 inch diameter tree down, along with multiple power outages.				
<b>WASHTENAW COUNTY --- 2.3 NNW WILLOW RUN [42.28, -83.59]</b>				
	11/17/13 17:30 EST		0	Thunderstorm Wind (EG 50 kt)
	11/17/13 17:30 EST		0	Source: Trained Spotter
A few 4 to 5 inch diameter trees were reported blown down.				
<b>WAYNE COUNTY --- 0.7 S DENTON [42.24, -83.52]</b>				
	11/17/13 17:38 EST		0	Thunderstorm Wind (MG 61 kt)
	11/17/13 17:38 EST		0	Source: ASOS
<b>LAPEER COUNTY --- 3.1 ESE NORTH LAKE [43.22, -83.37]</b>				
	11/17/13 17:42 EST		10K	Thunderstorm Wind (EG 56 kt)
	11/17/13 17:42 EST		0	Source: Trained Spotter
A tree fell onto a house.				
<b>GENESEE COUNTY --- 1.4 S BRENT CREEK [43.10, -83.87]</b>				

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	11/17/13 17:44 EST		0	Thunderstorm Wind (EG 54 kt)
	11/17/13 17:44 EST		0	Source: Trained Spotter

A large tree was reported blown down.

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### MONROE COUNTY --- 0.7 S IDA [41.91, -83.57]

11/17/13 17:45 EST	0	Thunderstorm Wind (MG 56 kt)
11/17/13 17:45 EST	0	Source: Public

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### MONROE COUNTY --- LA SALLE [41.87, -83.45]

11/17/13 17:50 EST	0	Thunderstorm Wind (EG 50 kt)
11/17/13 17:50 EST	0	Source: Law Enforcement

Power lines were reported down.

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### WAYNE COUNTY --- 2.3 SSW INKSTER [42.25, -83.29]

11/17/13 17:51 EST	0	Thunderstorm Wind (EG 50 kt)
11/17/13 17:51 EST	0	Source: Trained Spotter

A 10 inch diameter tree was reported down.

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### OAKLAND COUNTY --- 1.5 NNW EAST HIGHLAND [42.67, -83.58]

11/17/13 18:22 EST	0	Thunderstorm Wind (EG 52 kt)
11/17/13 18:22 EST	0	Source: NWS Employee

An NWS employee estimated a 60 mph thunderstorm wind gust.

A powerful low pressure system strengthened and tracked northeast from the western Great Lakes towards James Bay during the afternoon of November 17th through the overnight hours. Southerly winds out ahead of the cold front allowed temperatures to soar into the lower to middle 60s during the afternoon hours across southeast Michigan. A line of thunderstorms developed with the cold front that swept through the area during the evening hours. Several of these storms produced severe wind gusts and wind damage as they moved through the area. Behind the cold front, gradient winds gusted to 55 to 65 mph during the evening and overnight hours, producing additional damage across southeast Michigan. Widespread trees and power lines downed by the winds lead to over 400,000 homes and businesses to lose power.